

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:44:32 ON 12 APR 2004  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 11 APR 2004 HIGHEST RN 673857-36-8  
DICTIONARY FILE UPDATES: 11 APR 2004 HIGHEST RN 673857-36-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

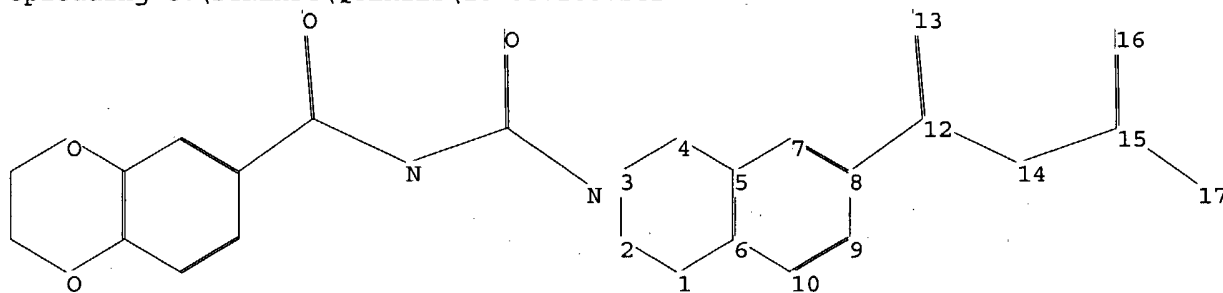
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\STNEXP4\QUERIES\10-087208.str



chain nodes :

12 13 14 15 16 17

ring nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

8-12 12-13 12-14 14-15 15-16 15-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10

exact/norm bonds :

12-13 12-14 14-15 15-16 15-17

exact bonds :

1-2 1-6 2-3 3-4 4-5 8-12

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10

isolated ring systems :

containing 1 :

Match level :

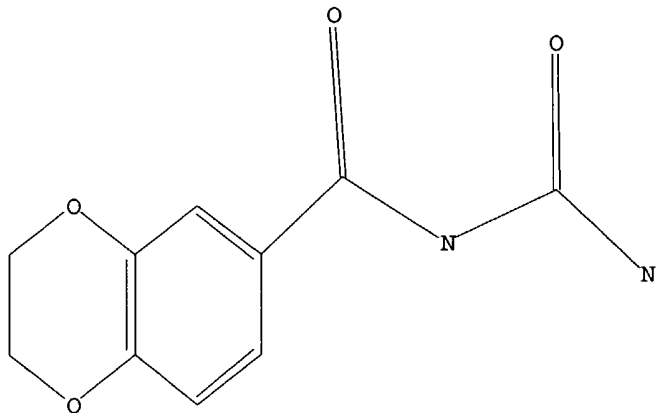
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 13:44:50 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 636 TO ITERATE

100.0% PROCESSED 636 ITERATIONS

69 ANSWERS

SEARCH TIME: 00.00.01

L2 69 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 13:44:54 ON 12 APR 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 12 Apr 2004 VOL 140 ISS 16  
FILE LAST UPDATED: 11 Apr 2004 (20040411/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

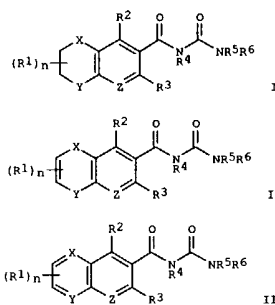
L3                    2 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:695973 CAPLUS  
DOCUMENT NUMBER: 137:232673  
TITLE: Preparation of benzodioxanes, quinoxalines,  
benzoxazines, and related compounds as antagonists of  
MCP-1 for treatment of inflammatory and autoimmune  
disease.  
INVENTOR(S): Laborde, Edgardo; Robinson, Louise; Meng, Fanying;  
Peterson, Brian T.; Villar, Hugo O.; Anuskiewicz,  
Steven E.; Ishiwata, Yoshio; Yokochi, Shoji;  
Matsumoto, Yukiharu; Kakigami, Takuji; Inagaki,  
Hideaki; Jomori, Takahito; Matsushima, Kouji  
PATENT ASSIGNEE(S): Telik, Inc., USA; Sanwa Kagaku Kenkyusho Co., Ltd.  
SOURCE: ECT Int. Appl., 88 pp.  
CODEN: FIKXKD  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	WO 2002070509	A2	20020912	WO 2002-Us6256	20020228
	WO 2002070509	A3	20030530		
	WO 2002070509	A1	20031106		
	W: AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CP, CU, DE, DK, EE, FI, GB, GE, GR, GU, HK, HR, HU, ID, IL, IN, IS, JP, KE, KM, KP, KR, KZ, LI, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, MY, NZ, NM, NZ, OM, PA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, TH, TM, TN, TR, TT, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AE, AT, BG, KZ, MD, RU, TJ,				
TM	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, ML, PT, SE, TR, BF, BG, BF, CF, CG, CI, CM, CN, CO, GG, GM, GQ, GN, ML, MR, NE, NG, TD, US 2003103085	A1	20030605	US 2002-87208	20020227
	EP 136897	A	20031126	EP 2002-70948	20020228
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 200207750	A	20040323	BR 2002-7750	20020228
PRIORITY APPLN. INFO.:			US 2001-27292P	P	20010301
			WO 2002-Us6256	P	20020228
OTHER SOURCE(S):	CASREACT 137:232673; MARPAT 137:232673				
GI					

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



AB Title compds. [ I, II, III, : n = 0-4 in I, 0-2 in II, III: X, Y = O, S, CH<sub>3</sub>R, NR<sub>7</sub> in I, II, and = N, CR<sub>7</sub> in III: Z = N, CR<sub>8</sub>; ≥ of X, Y, Z  
\* CR<sub>1</sub> = (substituted) A, Al, A2, cycloalkyl[alkyl],  
heterocycloalkyl, Ar, heteroaryl, arylalkyl, haloalkyl, CF<sub>3</sub>, halo, NO<sub>2</sub>, CN,  
OR<sub>9</sub>, SR<sub>9</sub>, NR<sub>9</sub>IO, COR<sub>9</sub>, CO<sub>2</sub>RR<sub>9</sub>, CN<sub>9</sub>NR<sub>9</sub>IO, OC<sub>2</sub>RR<sub>9</sub>, SO<sub>2</sub>RR<sub>9</sub>, OSO<sub>2</sub>RR<sub>9</sub>, SO<sub>2</sub>NR<sub>9</sub>NR<sub>9</sub>IO,  
NR<sub>9</sub>SO<sub>2</sub>RI<sub>9</sub>, NR<sub>9</sub>CO<sub>2</sub>RI<sub>9</sub>, etc.; R<sub>9</sub>, R<sub>10</sub> = H, (substituted) A, ANA<sub>2</sub>,  
alkylheterocycloalkyl, alkanyl, alkynyl, (substituted) cycloalkyl[alkyl],  
heterocycloalkyl, Ar, heteroaryl, arylalkyl, haloalkyl; R<sub>9</sub>RI<sub>9</sub> = (CH<sub>2</sub>)<sub>4-6</sub>  
optionally interrupted by 1 O, S, NH, NAR, NA etc. or in 1, n=2 and R<sub>10</sub>  
= O; R<sub>2</sub>, R<sub>3</sub>, R<sub>8</sub> = H, (substituted) A, Al, A2, cycloalkyl[alkyl],  
heterocycloalkyl, Ar, heteroaryl, aralkyl, haloalkyl, CF<sub>3</sub>, halo, NO<sub>2</sub>, CN,  
OR<sub>9</sub>, SR<sub>9</sub>, NR<sub>9</sub>IO, COR<sub>9</sub>, CO<sub>2</sub>RR<sub>9</sub>, CN<sub>9</sub>NR<sub>9</sub>IO, OC<sub>2</sub>RR<sub>9</sub>, SO<sub>2</sub>RR<sub>9</sub>, OSO<sub>2</sub>RR<sub>9</sub>, SO<sub>2</sub>NR<sub>9</sub>NR<sub>9</sub>IO,  
NR<sub>9</sub>SO<sub>2</sub>RI<sub>9</sub>, NR<sub>9</sub>CO<sub>2</sub>RI<sub>9</sub>, etc.; R<sub>9</sub>, R<sub>10</sub> = H, (substituted) A, ANA<sub>2</sub>, Al, A2,  
cycloalkyl[alkyl], aralkyl, Ar, heteroarylalkyl, etc.; R<sub>9</sub>RI<sub>9</sub> = (CH<sub>2</sub>)<sub>4-6</sub>  
optionally interrupted by 1 O, S, NH, NAR, NA, etc.; R<sub>7</sub> = H,  
(substituted)  
A, Al, A2, cycloalkyl[alkyl], Ar, aralkyl, haloalkyl, COR<sub>9</sub>, CO<sub>2</sub>RR<sub>9</sub>,  
CN<sub>9</sub>NR<sub>9</sub>IO, SO<sub>2</sub>RR<sub>9</sub>, SO<sub>2</sub>NR<sub>9</sub>NR<sub>9</sub>IO; R<sub>4</sub>, R<sub>5</sub> = H, (substituted) A, Ar, aralkyl; R<sub>6</sub>  
= H, A, Al, A2, cycloalkyl[alkyl], heterocycloalkyl, Ar, aralkyl,  
heteroaryl[alkyl], COR<sub>11</sub>, CO<sub>2</sub>RI<sub>11</sub>, CN<sub>11</sub>RI<sub>11</sub>, SO<sub>2</sub>RI<sub>11</sub>, SO<sub>2</sub>NR<sub>11</sub>RI<sub>11</sub>; R<sub>11</sub>, R<sub>12</sub>  
= H, (substituted) A, Al, A2, cycloalkyl[alkyl], Ar, heteroaryl[alkyl];  
R<sub>4</sub>R<sub>5</sub>, R<sub>11</sub>R<sub>12</sub> = (CH<sub>2</sub>)<sub>4-6</sub>; Al = alkyl; A2 = alkynyl; A2, etc., were  
prepared Thus, Me quinoxaline-6-carboxylate was stirred with NH<sub>3</sub> in  
MeOH in  
a sealed tube to give the amide, which was refluxed 16 h with (COCl)<sub>2</sub> in  
CH<sub>2</sub>Cl<sub>2</sub> to give a residue which in THF was added to a cooled solution of  
3-aminobiphenyl in THF followed by stirring for 2 h at room temperature  
to give  
N-([3-(phenylphenyl)amino]carbonyl)quinoxaline-6-ylcarboxamide. Tested  
title compds. at 50 mg/kg orally in mice reduced & atherosclerotic lesion

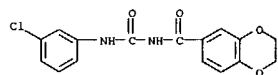
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
from 25.08% (untreated controls) to 17.8-21.08%.

IT	457801-44-6P	457801-45-7P	457801-46-8P	457801-47-9P
	457801-47-9P	457801-48-0P	457801-49-1P	457801-50-2P
	457801-50-4P	457801-51-5P	457801-52-6P	457801-53-7P
	457801-53-7P	457801-54-8P	457801-55-9P	457801-56-0P
	457801-56-0P	457801-57-1P	457801-58-2P	457801-59-3P
	457801-59-3P	457801-60-6P	457801-61-7P	457801-62-8P
	457801-62-8P	457801-63-9P	457801-64-0P	457801-65-1P
	457801-65-1P	457801-66-2P	457801-67-3P	457801-68-4P
	457801-68-4P	457801-69-5P	457801-70-6P	457801-71-9P
	457801-71-9P	457801-72-0P	457801-73-1P	457801-74-2P
	457801-74-2P	457801-75-3P	457801-76-4P	457801-77-5P
	457801-77-5P	457801-78-6P	457801-79-7P	457801-80-0P
	457801-80-0P	457801-81-1P	457801-82-2P	457801-83-3P
	457801-83-3P	457801-84-4P	457801-85-5P	457801-86-6P
	457801-86-6P	457801-87-7P	457801-88-8P	457801-89-9P
	457801-89-9P	457801-90-2P	457801-91-3P	457801-92-4P
	457801-92-4P	457801-93-5P	457801-94-6P	457801-95-7P
	457801-95-7P	457801-96-8P	457801-97-9P	457801-98-0P
	457801-98-0P	457801-99-1P	457802-00-7P	457802-01-8P
	457802-01-8P	457802-02-9P	457802-03-0P	457802-04-1P
	457802-04-1P	457802-05-2P	457802-06-3P	457802-07-4P
	457802-07-4P	457802-08-5P		

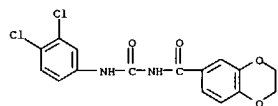
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Uses)  
(claimed compound; preparation of benzodioxanes, quinoxalines, benzoxazines,  
and related compds. as antagonists of MCP-1 for treatment of  
inflammatory and autoimmune disease)

RN 457881-44-6 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[(3-chlorophenyl)amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

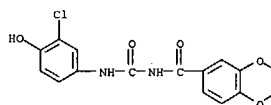


RN 457881-45-7 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide,  
N-[(3,4-dichlorophenyl)amino]carbonyl]-2,3-  
dihydro- (9CI) (CA INDEX NAME)

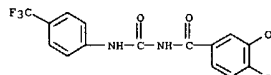


RN 457881-46-8 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[[3-chloro-4-

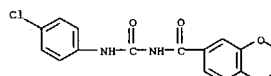
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
hydroxyphenyl)amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



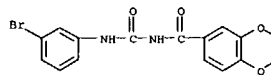
RN 457881-47-9 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[4-(trifluoromethyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 457881-48-0 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[4-chlorophenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

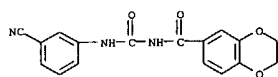


RN 457881-49-1 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[ (3-bromophenyl)amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

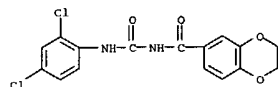


RN 457881-50-4 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[(3-cyanophenyl)amino]carbonyl)-2,3-dihydro- (9CI) (CA INDEX NAME)

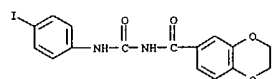
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



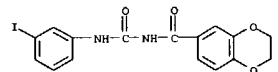
RN 457881-51-5 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide,  
N-[(2,4-dichlorophenyl)amino]carbonyl-2,3-  
dihydro- (9CI) (CA INDEX NAME)



RN 457881-52-6 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[4-  
iodophenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

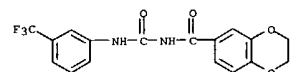


RN 457881-53-7 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[3-  
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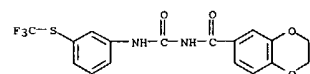


RN 457881-54-8 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[3-  
(trifluoromethoxy)phenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

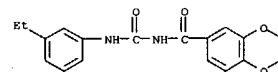
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



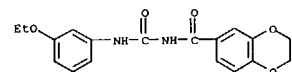
RN 457881-59-3 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[3-  
(trifluoromethyl)thio]phenyl]amino]carbonyl- (9CI) (CA INDEX NAME)



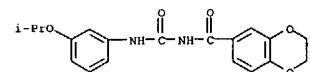
RN 457881-60-6 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[3-ethylphenyl]amino]carbonyl-2,3-  
dihydro- (9CI) (CA INDEX NAME)



RN 457881-61-7 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[3-ethoxyphenyl]amino]carbonyl-2,3-  
dihydro- (9CI) (CA INDEX NAME)

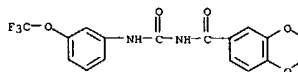


RN 457881-62-8 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[3-(1-  
methylethoxy)phenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

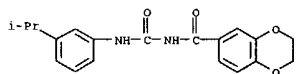


RN 457881-63-9 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide,  
N-[[1,1'-biphenyl]-3-ylamino]carbonyl-2,3-  
dihydro- (9CI) (CA INDEX NAME)

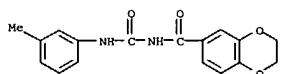
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



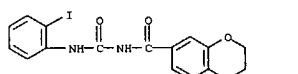
RN 457881-55-9 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[3-(1-  
methylethyl)phenyl]amino]carbonyl- (9CI) (CA INDEX NAME)



RN 457881-56-0 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[3-  
methylphenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

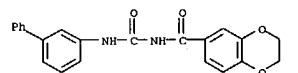


RN 457881-57-1 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[2-  
iodophenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

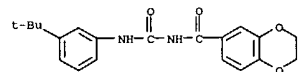


RN 457881-58-2 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[3-  
(trifluoromethyl)phenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

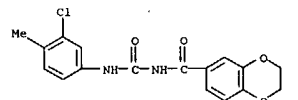
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



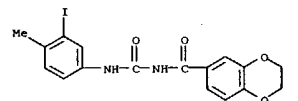
RN 457881-64-0 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide,  
N-[[3-(1,1-dimethylethyl)phenyl]amino]carbonyl-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 457881-65-1 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[3-chloro-4-  
methylphenyl]amino]carbonyl-2,3-dihydro- (9CI) (CA INDEX NAME)

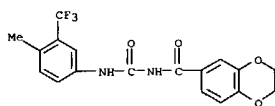


RN 457881-66-2 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[3-iodo-4-  
methylphenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

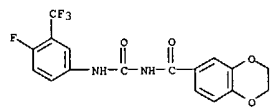


RN 457881-67-3 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[4-methyl-3-  
(trifluoromethyl)phenyl]amino]carbonyl- (9CI) (CA INDEX NAME)

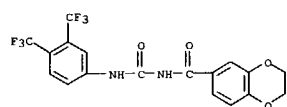
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



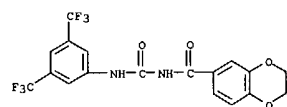
RN 457881-68-4 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[4-fluoro-3-(trifluoromethyl)phenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



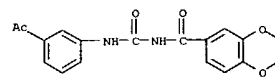
RN 457881-69-5 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3,4-bis(trifluoromethyl)phenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



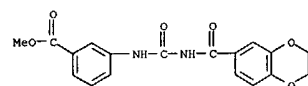
RN 457881-70-8 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



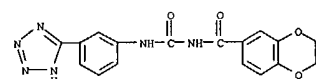
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3-acetylphenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



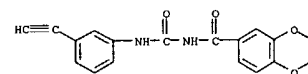
RN 457881-76-4 CAPLUS  
 CN Benzoic acid, 3-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



RN 457881-77-5 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-(1H-tetrazol-5-yl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



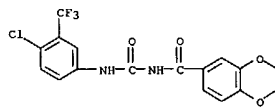
RN 457881-78-6 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3-ethynylphenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



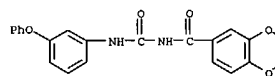
RN 457881-79-7 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3-chloro-2-methylphenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

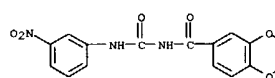
RN 457881-71-9 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



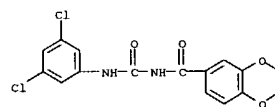
RN 457881-72-0 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-phenoxyphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 457881-73-1 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-nitrophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

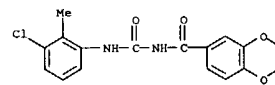


RN 457881-74-2 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3,5-dichlorophenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

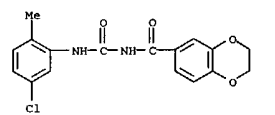


RN 457881-75-3 CAPLUS

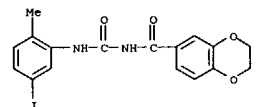
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



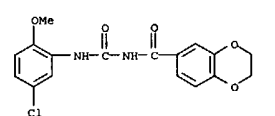
RN 457881-80-0 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[5-chloro-2-methylphenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 457881-81-1 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[5-iodo-2-methylphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

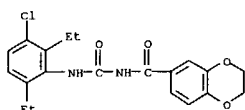


RN 457881-82-2 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[5-chloro-2-methoxyphenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

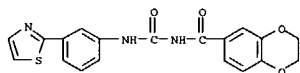


RN 457881-83-3 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxamide, N-[[[3-chloro-2,6-diethylphenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

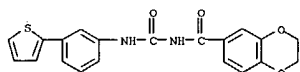
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



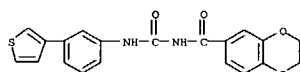
RN 457881-84-4 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-(2-thiazolyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 457881-85-5 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-(2-thienyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

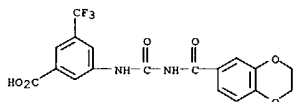


RN 457881-86-6 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-(3-thienyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

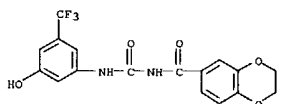


RN 457881-87-7 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[[3-(2-furanyl)phenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

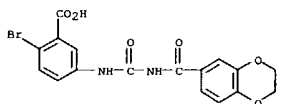
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



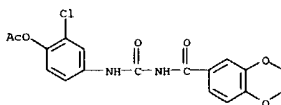
RN 457881-92-4 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-hydroxy-5-(trifluoromethyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 457881-93-5 CAPLUS  
CN Benzoic acid, 2-bromo-5-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

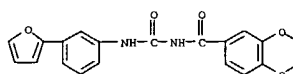


RN 457881-94-6 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[[4-(acetyloxy)-3-chlorophenyl]amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

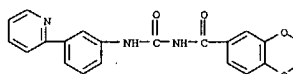


RN 457881-95-7 CAPLUS  
CN Propanedioic acid, 2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]phenyl methyl ester (9CI) (CA INDEX NAME)

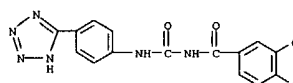
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



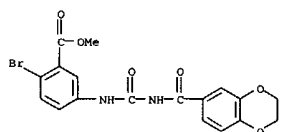
RN 457881-88-8 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[3-(2-pyridinyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 457881-89-9 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[4-(1H-tetrazol-5-yl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

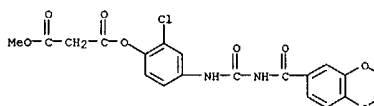


RN 457881-90-2 CAPLUS  
CN Benzoic acid, 2-bromo-5-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

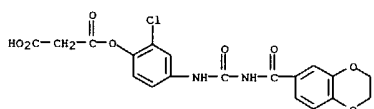


RN 457881-91-3 CAPLUS  
CN Benzoic acid, 3-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

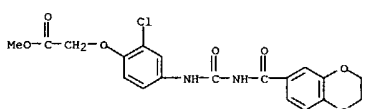
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



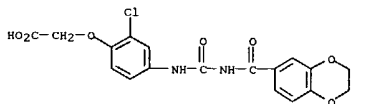
RN 457881-96-8 CAPLUS  
CN Propanedioic acid, mono[2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]phenyl] ester (9CI) (CA INDEX NAME)



RN 457881-97-9 CAPLUS  
CN Acetic acid, [2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]phenoxyl]-, methyl ester (9CI) (CA INDEX NAME)

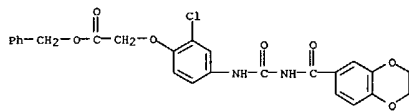


RN 457881-98-0 CAPLUS  
CN Acetic acid, [2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]phenoxyl]- (9CI) (CA INDEX NAME)

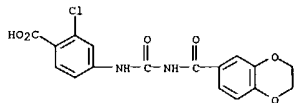


RN 457881-99-1 CAPLUS  
CN Acetic acid, [2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]phenoxyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

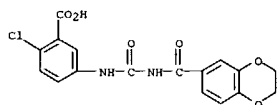
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
INDEX NAME)



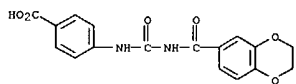
RN 457882-00-7 CAPLUS  
CN Benzoic acid, 2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457882-01-8 CAPLUS  
CN Benzoic acid, 2-chloro-5-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

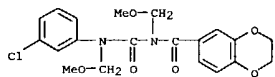


RN 457882-02-9 CAPLUS  
CN Benzoic acid, 4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

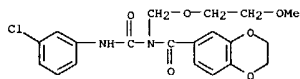


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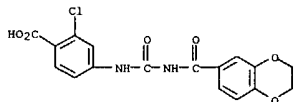
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
rbonyl]-2,3-dihydro-N-(methoxymethyl)- (9CI) (CA INDEX NAME)



RN 457882-08-5 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[[(3-chlorophenyl)amino]carbonyl]-2,3-dihydro-N-[(2-methoxyethoxy)methyl]- (9CI) (CA INDEX NAME)



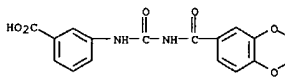
IT 457882-97-2P 457882-98-3P 457882-99-4P  
RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of benzodioxanes, quinoxalines, benzoxazines, and related compds. as antagonists of MCP-1 for treatment of inflammatory and autoimmune disease)  
RN 457882-97-2 CAPLUS  
CN Benzoic acid, 2-chloro-4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



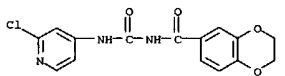
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RN 457882-98-3 CAPLUS  
CN Benzoic acid, 4-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

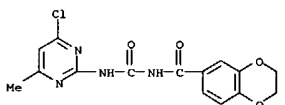
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
CN Benzoic acid, 3-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



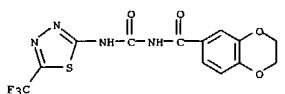
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CN 1,4-Benzodioxin-6-carboxamide, N-[[[(2-chloro-4-pyridinyl)amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 457882-05-2 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[[(4-chloro-6-methyl-2-pyrimidinyl)amino]carbonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

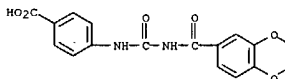


RN 457882-06-3 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, 2,3-dihydro-N-[[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]amino]carbonyl]- (9CI) (CA INDEX NAME)



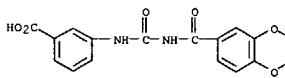
RN 457882-07-4 CAPLUS  
CN 1,4-Benzodioxin-6-carboxamide, N-[[[(3-chlorophenyl)(methoxymethyl)amino]ca

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● Na

RN 457882-99-4 CAPLUS  
CN Benzoic acid, 3-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]amino]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na



L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1992:612514 CAPLUS  
 DOCUMENT NUMBER: 117:212514  
 TITLE: Preparation of hydrazine derivatives and their  
 pesticidal activity  
 INVENTOR(S): Yanagi, Mikio; Sugizaki, Hiroyasu; Toya, Tetsuya;  
 Kato, Yasuhito; Shirakura, Hidetoshi; Watanabe,  
 Tetsuo; Yajima, Yoshimi; Kodama, Seichirou; Masui,  
 Akio; et al.  
 PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan; Sankyo Co., Ltd.  
 SOURCE: Eur. Pat. Appl., 45 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 496342	A1	19920729	EP 1992-100914	19920121
EP 496342	B1	19961127		
EP 496342	B2	20020724		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 100643	A1	19961031	IL 1992-100643	19920113
AU 9210317	A1	19920917	AU 1992-10317	19920117
AU 646918	B2	19940310		
JP 05163266	A2	19930629	JP 1992-6851	19920117
JP 2577154	B2	19970129		
ZA 9200390	A	19921028	ZA 1992-390	19920120
AT 145646	E	19961215	AT 1992-100914	19920121
ES 2094241	T3	19970116	ES 1992-100914	19920121
CA 2059787	C	20020430	CA 1992-2059787	19920122
RU 2041220	C1	19950809	RU 1992-5010801	19920124
CN 1063488	A	19920812	CN 1992-100505	19920125
CN 1035539	B	19970806		
US 5378726	A	19950103	US 1993-152877	19931115
JP 06340654	A2	19941213	JP 1994-44131	19940315
JP 2577189	B2	19970129		
US 5530021	A	19960625	US 1994-308643	19940919
AU 9517816	A1	19950817	AU 1995-17816	19950503
AU 684340	B2	19971211		

PRIORITY APPLN. INFO.: JP 1991-23680 A 19910125  
 JP 1991-298313 A 19911017  
 US 1992-821016 B1 19920115  
 US 1993-152877 A3 19931115

OTHER SOURCE(S): MARPAT 117:212514  
 GI For diagram(s), see printed CA Issue.  
 AB Hydrazine derivs. I [A, B = O, S, CH<sub>2</sub>, CRR', CR(OR'), CO, C:NOR', NR',  
 etc., R = H, C1-C4 alkyl, C1-C4 alkoxy, etc., R' = H, C1-C4 alkyl, C2-C4  
 acyl, 4-FC6H4CH<sub>2</sub>, etc.; R1, R2, R3, R4 = H, halogen, C1-C4 alkyl,  
 (C1-C4)alkoxy(C1-C4)alkyl, benzyloxy(C1-C4)alkyl; R5, R6, R7 = H,  
 halogen,  
 C1-C4 alkyl, NO<sub>2</sub>, NH<sub>2</sub>, cyano, OH, C1-C4 haloalkyl, etc.; R8, R9, R10 = H,  
 halogen, tri (C1-C4)alkylsilyloxy(C1-C4)alkyl, NO<sub>2</sub>, hydroxy(C1-C4)alkyl,  
 etc.; R11 = H, cyano, C1-C4 haloalkylthio, C2-C5 acyl,  
 di (C1-C4)alkylcarbamoyl, etc.; R12 = branched C3-C10 alkyl; n = 0, 1,  
 when

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
 A or B = O, CRR'] were prep'd. and tested for pesticidal activity. Thus,  
 0.83 g of N-tert-butyl-N'-3,5-dimethylbenzoylhydrazine in 15 mL pyridine  
 with a catalytic amt. of 4-(dimethylamino)pyridine reacted with 0.80 g of  
 5-methyl-1,4-benzodioxan-6-carbonyl chloride for 2 h to give I (A = B =  
 O,  
 R1 = R2 = R3 = R4 = R6 = R7 = R8 = R11 = H, R5 = Me, R9 = 3'-Me, R10 =  
 5'-Me, R12 = CMe<sub>3</sub>) (II) in 46% yield. Many of the compds. were tested on  
 pests such as Plutella xylostella, Spodoptera litura, Cnaphalocrocis  
 medinalis, and Adoxophyes orana. II exhibited 100% mortality on  
 susceptible and resistant strains of P. xylostella.  
 IT 143808-32-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 143808-32-6 CAPLUS  
 CN 1,4-Benzodioxin-6-carboxylic acid, 2,3-dihydro-5-methyl-,  
 1-[(dimethylamino)carbonyl]-2-[(3,5-dimethylbenzoyl)-2-(1,1-  
 dimethylethyl)hydrazide (9CI) (CA INDEX NAME)

